INTERNATIONAL SEARCH REPORT

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International application No.
PCT/JP03/16155

			1,0103,10133		
	SIFICATION OF SUBJECT MATTER				
Int.Cl ⁷ B22F3/10					
According	According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELD	B. FIELDS SEARCHED				
Minimum d	documentation searched (classification system followed	by classification symbols)			
Int.	.Cl ⁷ B22F3/10				
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1926–1996 Toroku Jitsuyo Shinan Koho 1994–2003					
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* Special categories of cited documents: "T" later document published after the international filing date or					
"A" document defining the general state of the art which is not considered to be of particular relevance priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention			y underlying the invention		
"E" earlier document but published on or after the international filing . "X" document of particular relevance; the claimed invention cannot date "X" document of particular relevance; the claimed invention cannot considered novel or cannot be considered to involve an inventive			the claimed invention cannot be		
	ent which may throw doubts on priority claim(s) or which is a stablish the publication date of another citation or other	step when the document is taken	alone		
special reason (as specified) considered to involve an inventive step when the document is			e step when the document is		
means combination being obvious to a person skille		person skilled in the art			
than th	"P" document published prior to the international filing date but later "&" document member of the same patent family than the priority date claimed				
	Date of the actual completion of the international search Date of mailing of the international search report				
22 January, 2004 (22.01.04) 03 February, 2004 (03.02.04)					
Name and mailing address of the ISA/ Authorized officer					
Japanese Patent Office		Audionzed officer			
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